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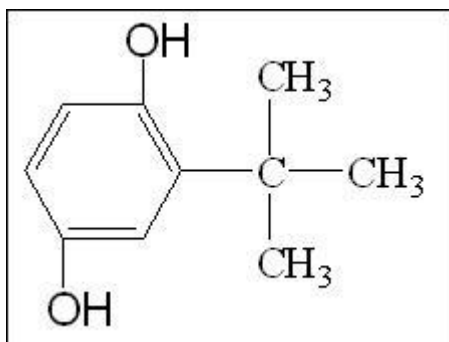
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Technical Data Sheet

Tert-Butylhydroquinone

Product Information

Chemical Name	Tert-Butylhydroquinone
CAS #	1948-33-0
Formula	C ₁₀ H ₁₄ O ₂
Molecular Weight	166.22
Synonyms	TBHQ, Tert-Butylhydroquinone
Chemical Structure	



Description

It is a kind of white to pale gray crystal or crystalline powder with a slight, unpleasant odor, which is dissolved in ethanol, acetic acid, ethyl ester, isopropyl alcohol, ether, and vegetable oil, lard, hardly soluble in water.

Physical Properties

Melting point, °C .	125--130
Boiling range, °C	273
Density	295
Flash point, °C	171

Specification

Industry details	
Appearance	White crystalline powder
Content, %	≥99.0
di-tert-butylhydroquinone, %	≤0.20

Tert-butylbenzoquinone, %	≤0.20
Hydroquinone, %	≤0.10
Toluene, %	≤0.00250
Heavy metals, %	≤0.00020
M.P., °C	126.5-128.5

Food details

Appearance	White or Yellowish Powder, no peculiar smell
PH	3.0-3.6
Ash	≤3%
Water	≤6%
pH	(10% sol.) 6.0 - 7.0
XOS2-7 Contents (Dry Basis)	≥ 35g/100g
Arsenic	≤ 1.0 mg/kg
Lead	≤ 5.0 mg/kg
Cadmium	≤ 0.5 mg/kg
Coliform Bacteria	≤ 3000 MPN/100g
Total Plate Count	≤ 10000 cfu/g
Mold	≤ 500 cfu/g

Safety

Please avoid contact with eye and skin. Once contacted, flush with plenty of water immediately, if necessary, go to hospital for medical help.

Always refer to the Material Safety Data Sheet (MSDS)

Applications

Food areas: used as antioxidation for vegetable oil and fat, roasted food, fried food and meat products.

Agriculture areas: used as stabilizer for insecticide

Intermediate: for dye and pharmaceutical.

Also used as inhibitor for polyvinyl chloride and PVC fisheye resistant agent

Packaging

25kg per drum.

12mt per 20ft container

Storage & Handling

Store in a dry and shady place away from sunshine and heat. Once heated, it can release poison and pungent smog.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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